

## A B S T R A C T

A SYSTEM FOR PURGING SULFATE FROM A NO<sub>x</sub> TRAP FOR A MOTOR VEHICLE ENGINE

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This system in which the NO<sub>x</sub> trap (1) is associated with catalyst-forming means (2) integrated in an exhaust line (3) of a vehicle engine (4), and in which the engine is associated with common manifold or "rail" fuel feeder means (7, 8) for feeding it with fuel and adapted, by modifying control parameters for the operation of the engine, to cause the engine to switch between lean mixture operation (9) and rich mixture (10), is characterized in that the fuel feeder means (7, 8) are adapted to define three strategies (11, 12, 13) for controlling lean mixture operation of the engine (9), and in that the fuel feeder means (7, 8) are adapted to cause the engine to switch between its various strategies in order to keep the trap (1) in a temperature window of maximum effectiveness.

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35 Translation of the title and the abstract as published by the PCT Authorities, possibly after making changes, ex officio, e.g. under PCT Rules 37.2, 38.2, and/or 48.3.